

TABLE 1.—Mean dynamic height (geopotential) in units of 0.98 dynamic meter, temperature in degrees centigrade, and relative humidity in percent, for standard pressures, as obtained by radiosondes during March 1946—Continued

STATIONS AND MEAN SURFACE PRESSURES—Continued

Standard pressure surface (mb.)										Tacubaya, Mexico (773.2 mb.)		Tampa, Fla. (1,018.2 mb.)		Tatoosh Island, Wash. (1,010.1 mb.)		Toledo, Ohio (992.5 mb.)		Washington, D. C. (1,015.5 mb.)	
	Number of obser-	Dynamic height	Temperature	Relative humidity		Number of obser-	Dynamic height	Temperature	Relative humidity		Number of obser-	Dynamic height	Temperature	Relative humidity		Number of obser-	Dynamic height	Temperature	Relative humidity
Surface	31	2,306	17.9	39	31	3	18.5	82	31	31	6.8	84	31	191	6.8	76	31	25	10.7
1,000	31	37	(*)	-	31	157	18.3	77	31	113	6.1	84	31	128	(*)	31	153	10.9	
950	31	505	(*)	-	31	597	16.4	69	31	533	2.8	85	31	556	8.3	64	31	583	9.4
900	31	980	(*)	-	31	1,055	13.6	68	31	967	-0.3	87	31	907	6.6	61	31	1,027	7.2
850	31	1,482	(*)	-	31	1,535	11.0	60	31	1,422	-3.2	84	31	1,465	4.4	61	31	1,496	5.2
800	31	2,014	(*)	-	31	2,040	9.8	41	31	1,899	-5.8	70	31	1,957	2.0	60	31	1,989	3.3
750	31	2,568	15.8	39	31	2,578	7.5	-	31	2,408	-8.4	65	31	2,480	-0.7	57	30	2,517	0.7
700	31	3,147	11.2	42	31	3,138	4.7	-	31	2,934	-11.2	65	31	3,024	-3.5	53	29	3,062	-2.5
650	31	3,762	6.2	49	31	3,742	0.9	-	31	3,507	-14.0	64	30	3,616	-6.6	48	29	3,650	-5.9
600	31	4,411	1.1	52	31	4,375	-3.2	-	31	4,103	-17.5	65	30	4,233	-10.1	44	29	4,270	-9.7
550	31	5,105	-3.0	48	31	5,056	-7.7	-	29	4,750	-21.9	-	30	4,894	-14.7	42	29	4,938	-14.2
500	30	5,852	-9.1	44	31	5,792	-13.0	-	29	5,445	-26.2	-	30	5,613	-19.6	29	5,652	-19.1	
450	29	6,667	-14.9	-	31	6,592	-18.7	-	29	6,204	-31.1	-	30	6,383	-23.4	29	6,429	-24.8	
400	29	7,542	-21.1	-	31	7,454	-25.1	-	29	7,026	-36.9	-	30	7,231	-31.9	28	7,274	-30.8	
350	28	8,513	-28.7	-	30	8,407	-32.6	-	28	7,944	-43.2	-	30	8,161	-39.0	29	8,209	-37.4	
300	28	9,596	-37.5	-	30	9,474	-40.7	-	26	8,974	-49.4	-	29	9,207	-46.5	28	9,253	-45.4	
250	26	10,830	-47.1	-	30	10,691	-49.4	-	24	10,151	-53.4	-	27	10,397	-53.6	27	10,450	-52.6	
200	23	12,277	-57.1	-	30	12,131	-56.1	-	19	11,569	-53.0	-	26	11,824	-56.9	21	11,873	-57.3	
175	19	13,119	-61.3	-	30	12,972	-59.5	-	16	12,416	-49.7	-	22	12,659	-55.5	16	12,699	-58.0	
150	14	14,056	-66.2	-	28	13,925	-62.2	-	12	13,414	-49.6	-	18	13,635	-54.5	14	13,636	-57.8	
125					21	15,043	-66.1	-	8	14,599	-49.3	-	11	14,806	-56.9	10	14,800	-58.9	
100					14	16,377	-70.6	-				-	5	16,221	-61.4	6	16,163	-60.8	

¹ Surface data for old location only, 1,414 meters. Upper levels for old and new location, 1,474 meters.

² Data not yet received.

*Temperature and relative humidity data for this level are not available or are available only for certain days. See note entitled "Change in Summarization of Radiosonde Data," p. 6, in the January 1946 issue of the **MONTHLY WEATHER REVIEW**.

Note.—All observations scheduled between 0300 and 0500, G. C. T. except at Mazatlan and Merida, where they are taken near 0200, G. C. T.

"Number of observations" refers to those of dynamic height only. (In a few cases temperature or humidity data may be missing for one or more standard pressure surfaces)

of some observations.) Relative humidity data are not published for standard pressure surfaces having a corresponding mean temperature below -20° C .

All relative humidity observations are obtained by electric hygrometer and have been adjusted to compensate for the values occurring below the operating range of the humidity element. For explanation of the adjustment see article entitled "Curve Method for Obtaining Monthly Means of Relative Humidity," p. 241, MONTHLY WEATHER REVIEW, December 1944.

None of the means included in these tables are based on less than 15 observations at the surface or 5 observations at a standard pressure level.

LATE REPORT FOR SWAN ISLAND, WEST INDIES

TABLE 1.—Mean dynamic height (geopotential) in units of 0.98 dynamic meter, temperature in degrees centigrade, and relative humidity in percent, for standard pressures, as obtained by radiosondes during February 1946

STATIONS AND MEAN SURFACE PRESSURES

Standard pressure surface (mb.)	Swan Island, W. I. (1,014.7 mb.)				Standard pressure surface (mb.)	Swan Island, W. I. (1,014.7 mb.)			
	Number of observations	Dynamical height	Temperature	Relative humidity		Number of observations	Dynamical height	Temperature	Relative humidity
Surface	28	10	24.4	80	500	28	5,849	-7.9	
1,000	28	135	23.6	80	450	28	6,667	-13.9	
950	28	590	20.3	80	400	28	7,542	-21.0	
900	28	1,051	17.4	73	350	28	8,513	-28.4	
850	28	1,537	14.5	68	300	28	9,800	-36.4	
800	28	2,048	11.6	60	250	28	10,840	-45.4	
750	28	2,590	9.1	50	200	22	12,290	-55.1	
700	28	3,154	6.7	40	175	25	13,135	-59.6	
650	28	3,766	4.1	—	150	22	14,085	-65.3	
600	28	4,407	1.0	—	125	5	15,178	-71.9	
550	28	5,102	-2.9	—	—	—	—	—	—